

IN THE CLAIMS:

--Claims 1-6 (Cancelled).

Claim 7 (Previously Presented). An alloy as in claim 13, wherein a stretch limit $R_{p0.2}$ of at least 400 N/mm² is selected in the solution-annealed state.

Claim 8 (Previously Presented). An alloy as in claim 13, wherein a combination of $WS \geq 54$ with $R_{p0.2} \geq 400$ N/mm² is selected in the solution-annealed state.

Claim 9-12 (Cancelled).

Claim 13 (Currently Amended). An austenitic alloy comprising in weight %:

a content of 18.0-21.0 % Cr;

a content of 12.0-16.0 % Fe;

a content of ~~9.0-13.0~~ 10-12 % Mo;

a maximum content of 1.0 % Co;

a content of 0.5-2.5 % W;

a maximum content of 0.025 % C;

a content of 0.05-0.25 % N;

a maximum content of 0.50 % Mn;

a maximum content of 0.50 % Si;

a maximum content of 0.02 % Ti;
a content of ~~0.05-0.5~~ 0.1-0.3 % Nb;
a maximum content of 0.3 % Cu;
a maximum content of 0.010 % P;
a content of 0.05-0.5 % Al;
a maximum content of 0.005 % S;
a content of 0.005-0.030 % Mg;
a content of 0.001-0.01 % Ca;
a maximum content of ~~0.5~~ 0.3 % V;
a maximum content of 0.005 % B;
a content of 0.001-0.030 % Zr; and

~~Nb and Ta as needed~~, balance nickel and inevitable impurities, wherein the total of Nb and Ta is at most 0.30 %, and wherein the maximum total of Al + Ti is 0.30
wherein an effective total $WS = \% Cr + 3[\% Mo + 0.5 \% W] + 16 \% N \geq 54$ is selected .

Claim 14 (Previously Presented). An alloy as in claim 13 comprising in weight %:

a content of 19.0-20.0 %Cr;
a content of 13.0-15.0 % Fe;
a content of 10.0-12.0 % Mo;
a maximum content of 1.0 % Co;

a content of 1.0-2.0 % W;
a maximum content of 0.020 % C;
a content of 0.05-0.15 % N;
a maximum content of 0.50 % Mn;
a maximum content of 0.50 % Si;
a maximum content of 0.02 % Ti;
a content of 0.1-0.3 % Nb;
a maximum content of 0.3 % Cu;
a maximum content of 0.010 % P;
a content of 0.10-0.35 Al;
a maximum content of 0.005 % S;
a content of 0.006-0.020 % Mg;
a content of 0.001-0.005 % Ca;
a maximum content of 0.30 % V;
a maximum content of 0.002 % B; and
a content of 0.005-0.025 % Zr,
balance nickel and inevitable impurities.

Claim 15 (Previously Presented). A welding additive material in the offshore industry to connect by welding longitudinal-seam pipes of 6-Mo steel, duplex or super-duplex steel, wherein said material comprises the alloy of claim 13.

Claim 16 (Currently Amended). A welding additive material to build up welding, for flanges in the offshore field or for boiler pipes in waste plants, wherein said material ~~is~~ comprises the alloy of claim 13.

Claim 17 (Previously Presented). A build-up welding band for plant construction wherein said build up welding band comprises the alloy of claim 13.

Claim 18 (Previously Presented). Gas channels of flue gas desulfurization installations, wherein said gas channels comprise the alloy of claim 13.--